

Product datasheet for **MR204358**

Nudt22 (NM_026675) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nudt22 (NM_026675) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nudt22
Synonyms: 0610006K04Rik; AI851793; AW545547
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR204358 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCCCGAGGTGTCCTGCTGCTGCTGCTGCCCTCTTGGGGACTTCCAGGAGCAGGTAGCAGTGG
AGCTGAGCCCGGCTCATGACCGTCGTCCATTGCCTGGAGGAGACAAGGCCATCACTGCCATCTGGGAGAC
TCGGCAACAGGCCAACCTTGGATCTTTGATGCTCCCAAGTTCCGCCTTCACTCAGCCACACTGGTGTCC
AGCTCGCCTGAGCCACAGCTGCTCCTGCACTTGGGTCTAACTTCCTACCGGGACTTCCTGGGCACCAACT
GGTCCAGCTCAGCCTCCTGGCTGCGACAGCAGGGCGCTGCAGATTGGGGTGACAAGCAAGCCTATCTGGC
AGACCCACTGGGGTGGGTGCCGCACTGGTCACAGCTGACGACTTCTTGTCTTCTCGCCGCTCTCAG
CAGGTAGCGGAAGCTCCCGGACTGGTGGATGTACCCGGTGGGCACCCTGAACCTCAGGCCCTGTGCTCTG
GTGGCATCCCCGGCACAAGGACCTCCCCGGGAGCTGGTGGTACGAGAACTCTTCTCCAGTGTCTTACA
GGAGATCTGTGATGAGGTGAACCTGCCACTGCACACCTTGAGCCAGCCACTGTTGTTGGGAATCGCTTGC
AATGAGACCAGCGGGCAGAGCCAGTGCAGAGTTCTATGTCCAGTGCAGCTTCACTCAGAGGAGGTCA
GGAGTTATTACCTGAGTGGGGACCTGAGGCCACGAGTCTACAGGAATCATCTTTGTGGAGACACAGAG
GGTACAGAGACTGCAGGAGACGGAGATGTGGGCACAACCTCTGCCCTCGGCCAAAGGCGCCATCCTCCTC
TACAATCGCCATCCACCTCTACAGTCAGGTGTTGGGAAGTCCACCTGAGTCACCCTAGCGCCCCAGCCC
TATCACTGCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR204358 protein sequence
 Red=Cloning site Green=Tags(s)

MDPEVSLLLLCPGLGGLSQEQVAVELSPAHDRRPLPGGDKAITAIWETRQQAQPWIFDAPKFR LHSATLVS
 SSPEPQLLLHLGLTSYRDFLGTNWSSASWL RQQAADWGDQAYLADPLGVGAALVTADDFLVFLRRSQ
 QVAEAPGLVDVPGGHPEPQALCSGGIPRHKDLPGELVVRELFSSVLQEICDEVNLP LHTLSQPLLLGIAC
 NETSAGRASAEFYVQCSLTSEEVRSYYLGGPEAHSTGIIFVETQRVQRLQETEMWAQLCPSAKGAILL
 YNRHPPLQSGVGKSHLSHPSAPALSLQL

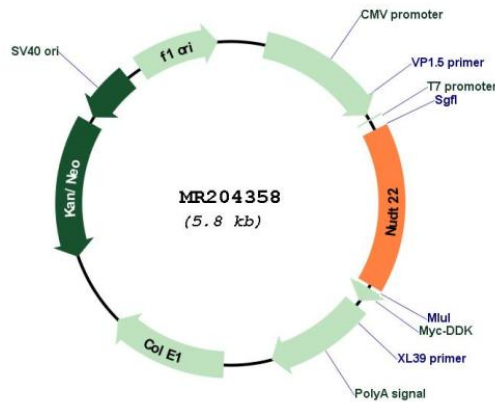
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026675

ORF Size: 927 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_026675.1 , NM_026675.2 , NP_080951.1
RefSeq Size:	999 bp
RefSeq ORF:	927 bp
Locus ID:	68323
UniProt ID:	Q9DD16
Cytogenetics:	19 A
MW:	33.4 kDa
Gene Summary:	Hydrolyzes UDP-glucose to glucose 1-phosphate and UMP and UDP-galactose to galactose 1-phosphate and UMP. Preferred substrate is UDP-glucose.[UniProtKB/Swiss-Prot Function]